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Registered-Return Receipt Requested



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Attention:

Mr.  - President

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Subject: Task Order No. 1  
Contract No. 602

Gentlemen:

This letter constitutes authorization to proceed with the performance of Task Order No. 1, under the terms and conditions of our Contract No. 602. You are to begin this work as of the date of your acceptance of this document as indicated below.

The scope of the work to be performed under this Task Order is set forth in the Schedule which is attached to and made a part of this Task Order.

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The estimated cost of performing this Task Order, exclusive of the fixed fee, is Thirty-Four Thousand One Hundred Eighty-Three Dollars and No Cents (\$34,183.00). Costs in excess of this amount shall not be incurred without the prior written authorization of the Contracting Officer.

The fixed fee for the performance of this Task Order shall be Two Thousand Seven Hundred Thirty-Two Dollars and Twenty-Four Cents (\$2,732.24).

The work to be performed under this Task Order shall be completed within a period of four (4) months from the date of your acceptance.

Upon completion of this Task Order, the Contractor shall render an accounting and inventory for any property governed by applicable Article(s) of the basic contract and shall accord the said property such disposition as the Contracting Officer may direct in writing.

NOTICE

This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, USC Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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*Handwritten signature*

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Please indicate your acceptance of the foregoing by signing this letter and the enclosed three copies thereof. Retain one copy for your records and return the signed original and remaining two copies to the undersigned at the earliest practicable date.

Very truly yours.

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Contracting Officer

ACKNOWLEDGED AND ACCEPTED THIS

6 DAY OF June 1958  
STANCIL-HOFFMAN CORPORATION

BY

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TITLE

President

Reqn. No. 8-1364-58

Order No. 58-8358

Vou. No.

Proc.Chg. 8-6895-10

Requ cy to: OC/ED

Almt. No. 8-6895-10

Base Contr: 602

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Task Order No. 1  
Contract No. 602

SCHEDULE

SCOPE OF WORK:

Under this Task Order No. 1 the Contractor shall furnish the necessary material and services for the items as described hereunder:

1. One (1) each S-H Portable Tape Recorder  
No. 1
2. One (1) each S-H Portable Tape Recorder  
No. 2
3. One (1) each S-H Portable Tape Recorder  
No. 3

SPECIFICATIONS:

1. Items 1 through 3 above shall be constructed and furnished in accordance with the technical provisions of Contractor's letter dated 23 January 1958, as modified by Contractor's Proposal, dated February 27, 1958, as amplified by the Addendum hereunder:

ADDENDUM:

Item 1. Portable Tape Recorder/Reproducer No. 1

One (1) unit required  
Input power 6 volts (Positive terminal grounded)  
For use with  $\frac{1}{2}$  inch magnetic tape on standard 5 inch reels  
Tape speed 30 inches per second  
Three track record head  
Three track monitor/playback head  
Track width 0.040 inches (40 mils)  
Head spacing 0.100 inches (100 mils) center to center  
Cross talk between heads at least 40 db down at maximum record level  
Three record amplifiers: input impedance to accept a signal of 0.7 volts RMS across 2100 ohms for normal record level  
Three monitor/playback amplifiers: output impedance 1000 ohms, OEB level maximum, with screw driver adjustable output level control for each amplifier  
Frequency response 250 cps to 60 KC  $\pm$  3db  
Internal 50 KC crystal controlled reference oscillator (accuracy 1 part in 10,000), the output of which is to be automatically recorded on the center track in addition to an external signal.

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No crane head

Bias frequency 250 KC

The tape transport must be equipped with a three phase capstan drive motor powered by a power amplifier with crystal or tuning fork control; accuracy, one part in 2000. Flatter and wow not to exceed 0.5% peak to peak. The tape transport shall have provisions for rewind. The tape transport shall be equipped to permit fast start and stop by interrupting the 6 volt power. (Solenoid controlled capstan idler and braking system to prevent tape overrun after turn off).

The tape transport shall not require more than 4 amperes of current at 6 volts except for initial start and stop current.

All signal input and output jacks and the amplifier power input jack are to be BNC chassis connectors.

The tape transport power and control connector shall be an Amphenol receptacle type 165, with connections as follows: Pin A - no connection, Pin B - Chassis ground, Pin C - Power off, Pin D - power on, and Pin E - POC 6 volts.

The recorder shall be required to operate over an ambient temperature range of from -20° to +50° C.

The recorder shall be mounted in a magnesium or aluminum case of rugged design, acceptable to the purchasing agency, with dimensions not to exceed 9 x 5 x 12 inches and the entire recorder must be constructed to stand the shock and vibration required of mobile equipment.

The electronics in this unit must be transistorized throughout, including the three phase power amplifier.

CB-13  
Item 2. Portable Tape Recorder/Reproducer No. 2

One (1) unit required

For use with  $\frac{1}{4}$  inch magnetic tape on standard reels up to 10 $\frac{1}{2}$  inches in diameter

Tape speed 30 inches per second

Three track record head

Three track monitor/playback head

Track width 0.040 inches (40 mils)

Head spacing 0.100 inches (100 mils) center to center

Cross talk between heads to be at least 40 dB down at maximum record level

Three record amplifiers: input impedance of track 1 and 3, to accept a 1 volt RMS signal across 1000 ohms, track 2 (center) must have two inputs, one for microphone (microphone to be furnished by the contractor) and one for an external reference tone, 1KC 6 volts peak to peak

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The microphones must be equipped with a push to talk microphone output switch

Three monitor/playback amplifiers: output impedance 0.5B at 1000 ohms

A monitor phone jack must be provided and a 6 position switch, to switch the monitor between the three record and three playback amplifiers

Frequency response 250 cps - 60 KC  $\pm 6$  db

Bias frequency 250 KC

No erase head

The tape transport must be equipped with a three phase capstan drive motor, powered by a power amplifier with crystal or tuning fork control; accuracy 1 part in 2000. Flutter and wow not to exceed 0.5% peak to peak

Provisions for rewind

The tape transport must be equipped to permit remote start-stop by Solenoid control. (Solenoid control of capstan idler and braking system to provide fast start and stop and prevent tape overrun after turn off).

All signal input and output Jacks, except phone and microphone connectors, to be BNC chassis connectors

The recorder-reproducer must operate from, and have provisions for adjusting to, the existing line voltage, within the limits of 70 to 270 volts 50 to 420 cycles per second

The recorder shall be required to operate over an ambient temperature range of from  $-10^{\circ}$  to  $+50^{\circ}$  C.

The recorder-reproducer must be mounted in a magnesium or aluminum, portable case with dimensions of  $7\frac{1}{2} \times 7\frac{1}{2} \times 18$  inches. The case shall be of rugged design, acceptable to the purchasing agency, and the entire recorder must be constructed to stand the shock and vibration required of mobile equipment

A bracket must be included for mounting the recorder in a standard 19 inch communications rack. (Screws for mounting the recorder in the portable case must be the same size as those used in a standard 19 inch rack).

CB-14

Item 3. Portable tape Recorder/Reproducer No. 3

One (1) unit required

For use with  $\frac{1}{4}$  inch magnetic tape on standard 5 inch reels

Tape speed  $7\frac{1}{2}$  inches per second

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Single track (Full track) record  
Single track monitor/playback head  
Self-powered; Battery included  
Recorder-Reproducer shall be mounted in a case not to exceed 9 x 5 x 12 inches  
Frequency response 50-10,000 cps / dB  
Input impedance of record amplifier, 50 ohms  
The tape transport must be equipped for remote start-stop  
Output impedance of the playback amplifier 1000 ohms at 0dB level  
The tape transport must be equipped with a three-phase capstan drive motor, powered by a power amplifier with crystal or tuning fork control, accuracy 1 part in 2000  
Microphone to be furnished by contractor  
The recorder shall be required to operate over an ambient temperature range of from -10° to +50° C.  
This unit can be a standard [redacted] Minutape, Model MB, modified to employ the three phase capstan drive motor and power amplifier. The unit must be transistorized throughout including the three phase power amplifier

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Specifications as covered by Contractor's letter and proposal as stated above are incorporated herein by reference and made a part hereof.

DELIVERY SCHEDULE:

Items 1 through 3 shall be delivered within 120 days from the date of Contractor's acceptance of this Task Order No. 1.

SECURITY:

The work to be performed and the items to be furnished under this Task Order No. 1 are UNCLASSIFIED.

In the event any question may arise during the preliminary phases of the work and/or research concerning the security of the technical aspects, i.e., security classification of various component parts and/or related reports connected thereto, the technical representative of the Contracting Officer is authorized to furnish security guidance during this interim period.

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This is only to be considered an authorized expedient and efficient means of resolving technical security problems by the technical representative of the Contracting Officer on the spot and is not to be construed as a waiver of the Contractor's responsibility to request formal written notification and/or authorization from the Contracting Officer prior to effecting any changes in any security classification of the contract, or item and/or reports being developed thereunder or the Contractor's Security Requirements, as agreed.

The association of the sponsor with the work being produced under this Task Order is classified **SECRET**. This classified information will be divulged only on a need-to-know basis and then only to those who have been authorized in writing by this Government component to have access to classified information.

Correspondence originated by the Contractor and/or other data to be submitted hereunder, the contents of which contains classified information or refers to the number of this Task Order and/or Contract, the name and/or address of the Contracting Officer shall be stamped by you with the classification of **SECRET**. Unless the first paragraph of this Security Article specifies the program, work or items hereunder are classified, all other correspondence and/or data, including reports, need not be classified.

**REPORTS:**

Technical Progress Reports, a Final Report, manuals, drawings and similar data, as may be required under this Task Order, shall be submitted at such times and in such format as may be specified by the technical representative of the Contracting Officer or may be as otherwise set forth in the "Scope of Work" article of this Schedule.

**SHIPPING INSTRUCTIONS:**

Any items to be delivered under this Task Order shall be delivered FOB destination to whatever location within the continental United States as may be later stipulated by the Contracting Officer or his technical representative.

All deliverable items, if any, shall be packaged and crated, if applicable, in accordance with the Contractor's best domestic commercial practice or as further amplified by auxiliary specific instructions of the Contracting Officer or his technical representative.

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**INSPECTION:**

Inspection during the course of the Task Order, as well as the final inspection and acceptance of deliverable products, if any, hereunder shall be made by the technical representative of the Contracting Officer. Final acceptance of items deliverable hereunder, if any, shall be made after proper inspection at the FOB point designated in accordance with the stipulations of "Shipping Instructions" above.